

Storm Data and Unusual Weather Phenomena - January 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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ARKANSAS, Southeast

(AR-Z074) ASHLEY, (AR-Z075) CHICOT

01/01/10 00:00 CST	0.90M	Cold/Wind Chill
01/14/10 23:55 CST	0	

A prolonged cold snap, caused by a couple of strong arctic air masses, affected the ArkLaMiss region during the first two weeks of January. This resulted in some record temperatures across the region. Daily highs during that period were in the 20s, 30s and 40s with lows in the teens and 20s. The first ten days of 2010 were the coldest first ten days of any year on record with an average temperature of around 29 degrees, which is around 14 to 16 degrees below normal. This outbreak will not be remembered for any bitterly cold temperatures, it will be remembered for the prolonged period of cold conditions and spans of time below freezing. Due to the duration of the cold, a great deal of damage occurred to the water line infrastructure around the region. The issues from the hard freeze were as follows: water line breaks, and frozen water pipes to homes, especially rural homes; wells freezing up; and water valves being stuck. Due to all the water line breaks, flooding of buildings and homes occurred. By far, the hardest hit area due to broken water lines and overall impact, was the Jackson Metro. The city had to be shut down for 3 to 5 days due to no water pressure. Substantial economic losses occurred due to the downtime of municipalities across the Metro. Other large cities across the forecast area were also substantially impacted by busted water lines and little to no water pressure. This event also caused 3 fatalities due to hypothermia. One occurred in Hinds County and two in Lauderdale County. The overall monetary losses from this prolonged cold event is a best guess. The economic losses due to downtime for municipalities were not know and not included.

(AR-Z074) ASHLEY, (AR-Z075) CHICOT

01/04/10 06:00 CST	15K	Winter Weather
01/04/10 09:00 CST	0	

During the morning and early afternoon of the 4th, an area of low pressure aloft pushed across the ArkLaMiss region. There was enough cold air, and associated moisture, to bring about a mix bag of light freezing drizzle and light snow flurries. Some of the light freezing rain caused some morning accidents across Ashley and Chicot Counties.

LOUISIANA, Northeast

(LA-Z007) MOREHOUSE, (LA-Z008) WEST CARROLL, (LA-Z009) EAST CARROLL, (LA-Z015) RICHLAND, (LA-Z016) MADISON, (LA-Z023) FRANKLIN, (LA-Z024) CATAHOULA, (LA-Z025) TENSAS, (LA-Z026) CONCORDIA

01/01/10 00:00 CST	1.80M	Cold/Wind Chill
01/14/10 23:50 CST	0	

A prolonged cold snap, caused by a couple of strong arctic air masses, affected the ArkLaMiss region during the first two weeks of January. This resulted in some record temperatures across the region. Daily highs during that period were in the 20s, 30s and 40s with lows in the teens and 20s. The first ten days of 2010 were the coldest first ten days of any year on record with an average temperature of around 29 degrees, which is around 14 to 16 degrees below normal. This outbreak will not be remembered for any bitterly cold temperatures, it will be remembered for the prolonged period of cold conditions and spans of time below freezing. Due to the duration of the cold, a great deal of damage occurred to the water line infrastructure around the region. The issues from the hard freeze were as follows: water line breaks, and frozen water pipes to homes, especially rural homes; wells freezing up; and water valves being stuck. Due to all the water line breaks, flooding of buildings and homes occurred. By far, the hardest hit area due to broken water lines and overall impact, was the Jackson Metro. The city had to be shut down for 3 to 5 days due to no water pressure. Substantial economic losses occurred due to the downtime of municipalities across the Metro. Other large cities across the forecast area were also substantially impacted by busted water lines and little to no water pressure. This event also caused 3 fatalities due to hypothermia. One occurred in Hinds County and two in Lauderdale County. The overall monetary losses from this prolonged cold event is a best guess. The economic losses due to downtime for municipalities were not know and not included.

TENSAS COUNTY --- 0.7 NNE NEWELLTON ARPT [32.08, -91.24], 0.5 ESE NEWELLTON ARPT [32.07, -91.24], 0.1 NW NEWELLTON [32.07, -91.23], 0.8 N NEWELLTON [32.08, -91.23]

01/20/10 22:08 CST	5K	Flash Flood (due to Heavy Rain)
01/20/10 23:08 CST	0	Source: Law Enforcement

Flooding was reported on Highway 4 near Newellton.

Numerous severe storms developed over the ArkLaMiss region on January 20th and 21st. Reports of severe weather, including damaging winds, large hail, and flooding were widespread across the region.


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MISSISSIPPI, Central				
(MS-Z018) BOLIVAR, (MS-Z019) SUNFLOWER, (MS-Z025) LEFLORE, (MS-Z026) GRENADA, (MS-Z027) CARROLL, (MS-Z028) MONTGOMERY, (MS-Z029) WEBSTER, (MS-Z030) CLAY, (MS-Z031) LOWNDES, (MS-Z032) CHOCTAW, (MS-Z033) OKTIBBEHA, (MS-Z034) WASHINGTON, (MS-Z035) HUMPHREYS, (MS-Z036) HOLMES, (MS-Z037) ATTALA, (MS-Z038) WINSTON, (MS-Z039) NOXUBEE, (MS-Z040) ISSAQUENA, (MS-Z041) SHARKEY, (MS-Z042) YAZOO, (MS-Z043) MADISON, (MS-Z044) LEAKE, (MS-Z045) NESHOPA, (MS-Z046) KEMPER, (MS-Z047) WARREN, (MS-Z048) HINDS, (MS-Z049) RANKIN, (MS-Z050) SCOTT, (MS-Z051) NEWTON, (MS-Z052) LAUDERDALE, (MS-Z053) CLAIBORNE, (MS-Z054) COPIAH, (MS-Z055) SIMPSON, (MS-Z056) SMITH, (MS-Z057) JASPER, (MS-Z058) CLARKE, (MS-Z059) JEFFERSON, (MS-Z060) ADAMS, (MS-Z061) FRANKLIN, (MS-Z062) LINCOLN, (MS-Z063) LAWRENCE, (MS-Z064) JEFFERSON DAVIS, (MS-Z065) COVINGTON, (MS-Z066) JONES, (MS-Z072) MARION, (MS-Z073) LAMAR, (MS-Z074) FORREST				
	01/01/10 00:00 CST	3	15.18M	Cold/Wind Chill
	01/14/10 23:00 CST		0	

A prolonged cold snap, caused by a couple of strong arctic air masses, affected the ArkLaMiss region during the first two weeks of January. This resulted in some record temperatures across the region. Daily highs during that period were in the 20s, 30s and 40s with lows in the teens and 20s. The first ten days of 2010 were the coldest first ten days of any year on record with an average temperature of around 29 degrees, which is around 14 to 16 degrees below normal. This outbreak will not be remembered for any bitterly cold temperatures, it will be remembered for the prolonged period of cold conditions and spans of time below freezing. Due to the duration of the cold, a great deal of damage occurred to the water line infrastructure around the region. The issues from the hard freeze were as follows: water line breaks, and frozen water pipes to homes, especially rural homes; wells freezing up; and water valves being stuck. Due to all the water line breaks, flooding of buildings and homes occurred. By far, the hardest hit area due to broken water lines and overall impact, was the Jackson Metro. The city had to be shut down for 3 to 5 days due to no water pressure. Substantial economic losses occurred due to the downtime of municipalities across the Metro. Other large cities across the forecast area were also substantially impacted by busted water lines and little to no water pressure. This event also caused 3 fatalities due to hypothermia. One occurred in Hinds County and two in Lauderdale County. The overall monetary losses from this prolonged cold event is a best guess. The economic losses due to downtime for municipalities were not know and not included.

Direct Fatalities: FPH, MPH, M68PH

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A large portion of the Ross Barnett Reservoir froze during the cold outbreak in early January, 2010. This much of the Reservoir had not frozen like this since December 1989.

(MS-Z027) CARROLL, (MS-Z028) MONTGOMERY, (MS-Z029) WEBSTER, (MS-Z030) CLAY, (MS-Z031) LOWNDES, (MS-Z032) CHOCTAW, (MS-Z033) OKTIBBEHA, (MS-Z037) ATTALA, (MS-Z038) WINSTON, (MS-Z039) NOXUBEE				
	01/07/10 00:00 CST		70K	Winter Storm
	01/07/10 12:50 CST		0	
(MS-Z018) BOLIVAR, (MS-Z019) SUNFLOWER, (MS-Z026) GRENADA, (MS-Z052) LAUDERDALE				
	01/07/10 00:30 CST		0	Winter Weather
	01/07/10 11:30 CST		0	
During the midst of the arctic outbreak, a weather system affected the ArkLaMiss region on the 7th and brought a mix of wintry precipitation. A mix of freezing rain, sleet, and light snow fell across the northern third of the forecast area. Some of the precipitation caused icing on bridges, overpasses, and roads during the morning into the early afternoon.				
COVINGTON COUNTY --- 1.0 W SEMINARY [31.55, -89.52], 4.7 ENE GANDSI [31.60, -89.43]				
	01/20/10 11:21 CST		25K	Hail (1.00 in)
	01/20/10 11:30 CST		0	Source: Public
A swath of penny to quarter sized hail fell across central Covington County. A few cars were damaged due to the quarter sized hail.				
HINDS COUNTY --- 4.1 S CHAMPION HILL [32.29, -90.51]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/20/10 16:08 CST		0	Hail (1.00 in)
	01/20/10 16:10 CST		0	Source: Broadcast Media
Pea to dime sized hail covered the ground west northwest of Raymond. A few larger stones, up to 1 inch, were also observed.				
MADISON COUNTY --- 4.7 W FLORA [32.55, -90.40], 5.1 WSW FLORA [32.52, -90.40], 2.6 SW FLORA [32.53, -90.36], 2.8 W FLORA [32.56, -90.37]				
	01/20/10 17:50 CST		2K	Flash Flood (due to Heavy Rain)
	01/20/10 18:30 CST		0	Source: Amateur Radio
Water was reported on some roads west of Flora.				
MADISON COUNTY --- 3.5 SSW FLORA [32.50, -90.35], 1.1 WNW LIVINGSTON [32.56, -90.24]				
	01/20/10 17:53 CST		0	Hail (1.00 in)
	01/20/10 18:06 CST		0	Source: Law Enforcement
A swath of penny to quarter sized hail fell across a portion of southwest Madison County.				
MADISON COUNTY --- 1.8 SSW ROBINSON SPGS [32.48, -90.24], 1.3 SSE ROBINSON SPGS [32.48, -90.22]				
	01/20/10 18:01 CST		40K	Tornado (EF0, L: 0.96 mi , W: 40 yd)
	01/20/10 18:04 CST		0	Source: NWS Storm Survey
This weak tornado started along Coker Road where it downed several trees along with some large limbs. The tornado also blew down a fence, a power line and caused some minor damage to a barn. At least one home was damaged by a large section of a tree which fell on the corner of the home. The tornado then tracked east northeast across Moss Ridge Road where more trees were downed along with some damage to a few fences. From there, the tornado moved across Lake Lorman and downed more trees and a power line along Lakeshore Drive. The tornado dissipated shortly after this point. This tornado was rated EF0 with maximum winds around 70 mph.				
MADISON COUNTY --- 3.9 SSW SHOCCO [32.57, -89.92], 3.0 S SHOCCO [32.58, -89.89]				
	01/20/10 18:47 CST		0	Hail (1.00 in)
	01/20/10 18:52 CST		0	Source: Law Enforcement
NESHOBA COUNTY --- 0.6 E PHILADELPHIA [32.77, -89.11]				
	01/20/10 19:05 CST		0	Hail (0.88 in)
	01/20/10 19:05 CST		0	Source: Broadcast Media
NESHOBA COUNTY --- 1.5 NNW OCOBLA [32.77, -89.04], 1.3 WNW SANDTOWN [32.81, -89.02], 1.0 S CENTER [32.81, -88.98], 2.4 S SANDTOWN [32.77, -88.99]				
	01/20/10 20:05 CST		4K	Flash Flood (due to Heavy Rain)
	01/20/10 21:05 CST		0	Source: Emergency Manager
Locally heavy rainfall caused water to flood a portion of Highway 482, just north of Highway 16.				
COPIAH COUNTY --- 2.1 E DENTVILLE [31.95, -90.53], 6.6 WNW CRYSTAL SPGS [32.03, -90.47]				
	01/20/10 20:13 CST		0	Hail (1.00 in)
	01/20/10 20:13 CST		0	Source: Trained Spotter
A swath of penny to quarter sized hail fell from Dentville to near the Copiah/Hinds County line.				
HINDS COUNTY --- 1.1 ESE COOPERS WELLS [32.22, -90.35], 1.7 NNW SIWELL [32.27, -90.33]				
	01/20/10 20:41 CST		0	Hail (1.00 in)
	01/20/10 20:46 CST		0	Source: Trained Spotter
JEFFERSON DAVIS COUNTY --- 0.6 E BASSFIELD [31.50, -89.74], 0.7 SE BASSFIELD [31.49, -89.74], 1.1 SE BASSFIELD [31.49, -89.73], 0.8 E BASSFIELD [31.50, -89.74]				
	01/20/10 22:00 CST		3K	Flash Flood (due to Heavy Rain)
	01/20/10 23:00 CST		0	Source: Law Enforcement
A foot and a half of water was covering portions of Sumrall Road near Bassfield.				
LAMAR COUNTY --- 0.9 SE PURVIS [31.14, -89.41], 0.6 ENE PURVIS [31.15, -89.41], 1.0 ENE PURVIS [31.15, -89.40], 1.1 ESE PURVIS [31.14, -89.40]				

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	01/20/10 22:00 CST		7K	Flash Flood (due to Heavy Rain)
	01/20/10 23:00 CST		0	Source: Law Enforcement

Locally heavy rain caused water to flow over many roads in Purvis.

WARREN COUNTY --- 1.5 SSE VICKSBURG [32.33, -90.87]

01/20/10 22:00 CST	0	Heavy Rain
01/20/10 23:00 CST	0	Source: CoCoRaHS

A CoCoRaHS Observer measured rainfall of 2.41 inches between 10 and 11 pm. Total rainfall measured was 3.85 inches for the day.

WARREN COUNTY --- 0.6 E MAGNOLIA HELIPORT [32.33, -90.89], 0.2 SSW NATIONAL CEMETERY [32.38, -90.87], 1.1 W WALTERSVILLE [32.37, -90.85], 1.4 SW BEECHWOOD [32.32, -90.85]

01/20/10 22:30 CST	0.35M	Flash Flood (due to Heavy Rain)
01/21/10 01:30 CST	0	Source: Amateur Radio

Extensive street flooding occurred in Vicksburg. Some water inundated a police department building and a number of homes. Numerous cars stalled out on flooded streets.

WARREN COUNTY --- 2.8 S GRANGE HALL [32.21, -90.87]

01/20/10 22:30 CST	0	Thunderstorm Wind (EG 50 kt)
01/20/10 22:30 CST	0	Source: Emergency Manager

A number of small trees and limbs were blown down.

HINDS COUNTY --- 1.2 SW HUBBARD [32.21, -90.69], 0.8 E CLINTON [32.33, -90.32]

01/20/10 23:02 CST	1M	Hail (2.00 in)
01/20/10 23:36 CST	0	Source: Emergency Manager

A swath of quarter to hen egg sized hail fell across portions of Hinds County. A substantial amount of golf ball sized hail was reported between Raymond, Bolton, and Clinton. Vehicles and numerous homes were damaged. Shingle damage was substantial.

HINDS COUNTY --- 2.7 NW RAYMOND [32.30, -90.46]

01/20/10 23:15 CST	0	Thunderstorm Wind (EG 50 kt)
01/20/10 23:15 CST	0	Source: Public

Trees and limbs were blown down.

HINDS COUNTY --- EDWARDS [32.33, -90.60], 1.6 ENE MT BEULAH [32.36, -90.61], 2.5 NNE EDWARDS [32.36, -90.58], 1.3 E EDWARDS [32.33, -90.58]

01/20/10 23:25 CST	10K	Flash Flood (due to Heavy Rain)
01/21/10 00:25 CST	0	Source: Emergency Manager

Highway 80 was flooded near Edwards.

WARREN COUNTY --- 0.1 NNE VICKSBURG [32.35, -90.88], 1.6 SSE VICKSBURG [32.33, -90.87], 0.6 E MAGNOLIA HELIPORT [32.33, -90.89], 0.2 W VICKSBURG [32.35, -90.88]

01/20/10 23:42 CST	15K	Flash Flood (due to Heavy Rain)
01/21/10 00:42 CST	0	Source: Amateur Radio

Vicksburg fire station number 5 was evacuated due to flooding.

COPIAH COUNTY --- 2.5 SSW SHADY GROVE [31.83, -90.38], 2.6 ESE SHADY GROVE [31.86, -90.33]

01/21/10 00:50 CST	0.50M	Tornado (EF2, L: 3.61 mi , W: 500 yd)
01/21/10 00:55 CST	0	Source: NWS Storm Survey

The tornado started along James Road, where several chicken houses were significantly damaged, including one collapsing. Other outbuildings were damaged and a number of trees and power lines were downed. Debris was carried for hundreds of yards along the path. The tornado traveled northeast, and reached its maximum intensity and width as it crossed Monticello Road. Hundreds of trees in this area were snapped or uprooted, including a number of large hardwoods. Convergence in the damage path was very apparent here. A barn was leveled and at least two power poles were snapped. A couple of other outbuildings were heavily damaged. The tornado continued northeast from there, crossing Perrett Road and Highway 472. Numerous trees continued to be snapped and uprooted along its path, and several outbuildings were damaged or destroyed. The tornado dissipated shortly after crossing Highway 472. This tornado was rated an EF2 with maximum winds of 115 mph.

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MADISON COUNTY --- 0.7 SE RIDGELAND [32.42, -90.12], 2.1 S RIDGELAND [32.40, -90.13], 2.4 SSE RIDGELAND [32.40, -90.12], 0.7 SW MADISON CAMPBELL ARP [32.42, -90.11]				
	01/21/10 01:00 CST		3K	Flash Flood (due to Heavy Rain)
	01/21/10 02:30 CST		0	Source: NWS Employee
Heavy rain caused water to flow across, and cover, one lane of Ridgewood Road near East County Line Road.				
HINDS COUNTY --- 0.9 E BOLTON [32.35, -90.45], 0.7 W BOLTON [32.35, -90.48], 0.6 NNE BOLTON [32.36, -90.47], 1.0 ENE BOLTON [32.36, -90.46]				
	01/21/10 01:20 CST		15K	Flash Flood (due to Heavy Rain)
	01/21/10 02:20 CST		0	Source: Public
Numerous streets in Bolton were inundated with water.				
RANKIN COUNTY --- FLORENCE [32.15, -90.13], 1.2 NW FLORENCE [32.16, -90.15], 1.1 NNW FLORENCE [32.17, -90.13], 0.3 E FLORENCE [32.15, -90.12]				
	01/21/10 01:20 CST		2K	Flash Flood (due to Heavy Rain)
	01/21/10 02:20 CST		0	Source: Trained Spotter
Several streets were flooded around Florence as almost 1 inch of rain had fallen in 30 minutes.				
COPIAH COUNTY --- 0.0 WSW BEAUREGARD [31.72, -90.40], 0.3 NNW WESSON [31.70, -90.40], 1.1 ENE WESSON [31.70, -90.38], 1.3 E BEAUREGARD [31.72, -90.38]				
	01/21/10 01:30 CST		1K	Flash Flood (due to Heavy Rain)
	01/21/10 02:30 CST		0	Source: Law Enforcement
Minor flooding of streets was reported in northern Wesson.				
WASHINGTON COUNTY --- 0.6 W MARATHON [33.07, -91.03], 0.3 SSE G ALAN CYPRS GRDN AR [33.02, -91.03], 0.8 E HAMPTON [33.03, -90.99], 1.1 ENE MARATHON [33.07, -91.00]				
	01/21/10 02:00 CST		5K	Flash Flood (due to Heavy Rain)
	01/21/10 03:00 CST		0	Source: Law Enforcement
A few roads were flooded around Glen Allen and the southern part of the county.				
HINDS COUNTY --- 2.1 SSW JACKSON HAWKINS FLD [32.30, -90.23], 2.1 SE WEST JACKSON [32.30, -90.18], 0.2 S LONGALOO [32.40, -90.15], 2.3 ESE CYNTHIA [32.38, -90.22]				
	01/21/10 02:27 CST		25K	Flash Flood (due to Heavy Rain)
	01/21/10 04:27 CST		0	Source: Law Enforcement
Many roads in the Jackson area were flooded.				
LEFLORE COUNTY --- 0.6 W GREENWOOD [33.52, -90.19], 1.6 SSW GREENWOOD [33.50, -90.19], 1.1 ESE GREENWOOD [33.51, -90.16], 0.1 ESE GRENADA JCT [33.53, -90.17]				
	01/21/10 02:30 CST		4K	Flash Flood (due to Heavy Rain)
	01/21/10 03:10 CST		0	Source: Law Enforcement
Several roads around town were flooded.				
Numerous severe storms developed over the ArkLaMiss region on January 20th and 21st. Reports of severe weather, including damaging winds, large hail, and flooding were widespread across the region.				

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Image of a damaged shed and tin from a chicken house thrown across a field. Damage occurred from an EF2 tornado on 1/21/10, just southeast of Hazelhurst, in Copiah County, MS.

FORREST COUNTY --- HATTIESBURG [31.32, -89.32], 1.1 WSW DIXIE PINE [31.29, -89.30], 1.5 SSE PETAL [31.33, -89.26], 1.7 ESE RIVERSIDE [31.34, -89.30]

01/24/10 06:50 CST	5K	Flash Flood (due to Heavy Rain)
01/24/10 07:40 CST	0	Source: Emergency Manager

Several streets and roads were flooded around Hattiesburg from 1 to 1.5 inches which fell in less than an hour.

BOLIVAR COUNTY --- 0.6 E SHAW [33.60, -90.81]

01/24/10 18:03 CST	0	Hail (0.88 in)
01/24/10 18:03 CST	0	Source: Public

Dime to nickel sized hail fell near and west of Shaw.

GRENADA COUNTY --- 0.6 E GRENADA [33.78, -89.81]

01/24/10 19:07 CST	0	Hail (0.75 in)
01/24/10 19:07 CST	0	Source: Public

A low pressure system brought showers and thunderstorms to the region. Some of the storms produced some hail, damaging winds, and flash flooding.

FORREST COUNTY --- 0.4 WSW GLENDALE [31.37, -89.31]

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	01/29/10 15:32 CST		35K	Thunderstorm Wind (EG 55 kt)
	01/29/10 15:32 CST		0	Source: Emergency Manager

A few trees were blown down with a couple of tree tops blown off. An 18 wheeler was also blown over. One window was broken along with some roof damage in the Glendale Community. A light weight metal shed was blown over a couple of miles north of the Glendale Community.

A weather system brought some rain and isolated thunderstorms to the region. Some wind damage occurred around the Hattiesburg area in Forrest County.